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. Introduction

..1 Summarization

Thank you for choosing our digital video capture cards.

1Channel, 4 Channel, 8 Channel and 16 Channel cards adopt MPEG ompression format, and enable maximum 16 channels real-time or non eal-time surveillance. Our cards are mature and cost-effective products tha hould be your ideal choices. They enable synchronous audio and vide ompression and transmission, with their powerful compression rate an etwork transmission function. They are widely used in banks, intelliger ommunities, traffic management units, medical systems, educational system rmed forces and so on.

This manual is suitable for SuperDVR 4.3, which supports , US VR3101, and USB DVR3104 cards.

In this manual, you will learn how to install the hardware and drive oftware), and how to setup the systems of this range of products. Pleas ake sure your operations with the products are strictly in accordance with th anual, so as to keep the stability of the digital surveillance systems.

The following are standard functions of the products:

(1) Schedule record mode

Users can choose any term in a day to record and set up record modes e. sensor alarm record, motion detection record, manual record, Schedul ecord.

(2) Motion detection mode

ystem begins to record only when motion of the detected object happens, an will stop recording after a certain period, this function is adjustable by users

(3) Sensor alarm record mode

With extra alarm board, the system enables alarm input and output.

(4) Recycling record mode

Users can set recording storage sequence for HDD partitions. Th ecording storage will automatically swap to the next partition when it is full. ll the partitions are full and recycling record mode is enabled, the forme ecorded data will be covered by new data. Users can also set HDD minimur torage alarm. Then once the present storage space is less then the minimur torage and recycling record mode is not enabled, the record will automaticall top.

(5) P.T.Z control function

Support a number of decoders. Users can control multiple speed dome nd integrative cameras, including pan, tilt, zoom, focus and iris adjustmer or P.T.Z devices. Support preset point and auto scout.

(6) Users management

Different users have different rights, user names and passwords, so as t nsure system security.

(7) Multi-channel display

Support different multi-channel display modes, full screen display an uto dwell display.

(8) Watch dog function

The 16 Channels card has watchdog function. In case SuperDVR drive r windows system is frozen, the watchdog will restart the computer and logi uperDVR system again automatically.

(9) One PC support 1 to 4 cards of the same model, the maximum from

:andard resolutions.

(11) Image color adjustable for each channel, including contrast, lightnes
ue and saturation.

(12) MPEG4 compression format, greatly reduce HDD usage

(13) Powerful video playing back functions, including playing back, paus
:op, fast-forward, single-frame play and image capture.

(14) Support advanced search mode. Users can search by date/tim
amera, record mode, and random combination of the three methods.

(15) Support recorded files backup, delete by date/time, camera.

(16) Convenient to extend system functions by software upgrade.

(17) Supply multiple languages, including Chinese (Traditional), Englisl
erman, Spanish, Portuguese and other customized languages.

(18) CPU and storage resources saving by advanced technology

(19) Remote Surveillance and P.T.Z control through LAN, Intranet, an
ıternet.

(20) Support alarm pre-record.

(21) Support buzzer, email alarm out.

(22) Can greatly decrease fragmented files while using NTFS partition.

(23) User-friendly graphical user interface.

..2 System Requirements

.2.1 USB DVR3101、3104 USB cards system requirements

Motherboard	Intel 845/865/915 series
HDD	80G minimum
RAM	256M minimum
VGA	GeForce2，GeForce4，FX5200，ATI Rage128
OS	Windows 2000(SP4 above)/2003(SP1 above)/XP(SP2 above)
DirectX	9.0
USB	2.0

Table1.3 USB DVR3101、3104 system requirements

pecial Notice:

If recorded disk partition's format is FAT32 and the system has ru or a long time, the system will create a lot of data fragments that ma esults in system runs slowly. It's recommended to make dis efragmenter every 10 to 30 days. We strongly suggest that use NTF ormat for record disk partition.

..3 System Specifications

Format: PAL/NTSC

Resolution: USB DVR3101、3104 support 320x240 / 640x48 NTSC), 352x288 / 704x576(PAL), Maximum Frame rate per channel: 25 fp PAL), 30 ftp (NTSC)

Screen set: resolution 1024×768, color quality 16 bits or 32 bits

Compression code rate: 50kbps – 1.2Mbps

Data format: MPEG4

2 Hardware installation

SB DVR3101 USB Card Hardware

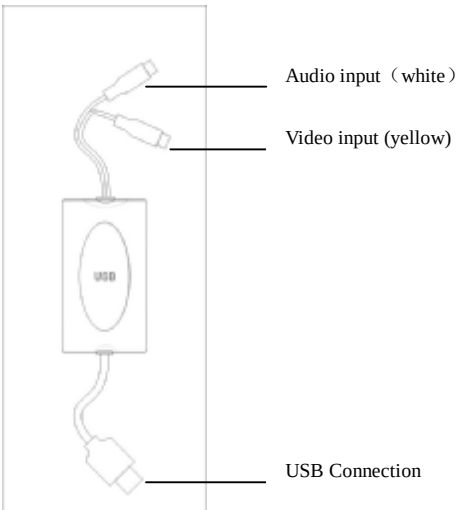


Fig2.14 USB DVR3101 USB Video Capture Card

SB DVR3104 USB Card Hardware

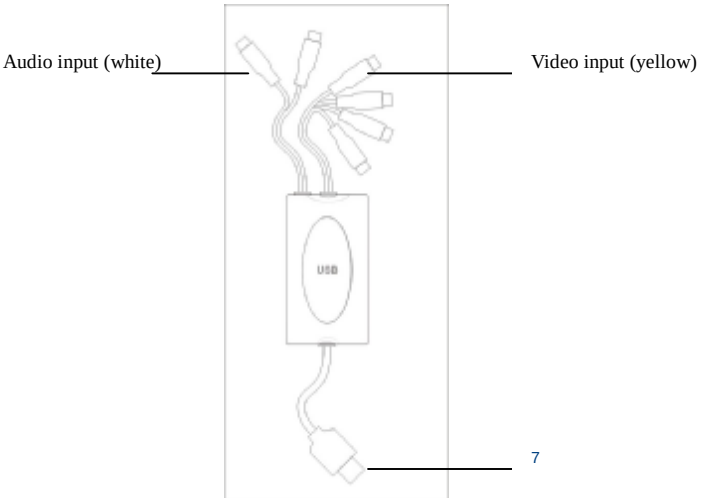


Fig2.15 USB DVR3104 USB Video Capture Card

lotice:

Make sure that your PC USB interface is 2.0; USB DVR3101/3104 car an only support USB 2.0.

Please according to the following steps to safely remove the USB car ight clicks on the Taskbar Stop device pull out the USB card.

Using USB DVR3101/3104 card with other USB device simultaneousl ıay cause PC cannot identify USB card.

Do not insert two or more USB video capture cards simultaneously.

Do not use with the other PCI video capture card simultaneously.

Fig2.30 USB DVR series video capture card installation interface

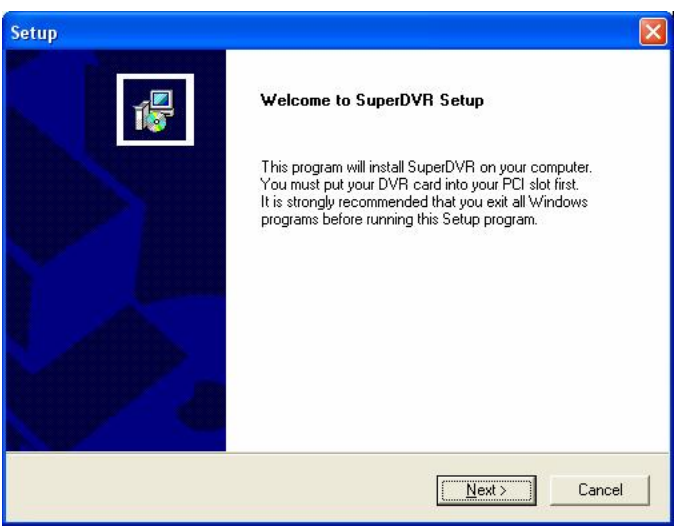

Setup
Welcome to SuperDVR Setup
This program will install SuperDVR on your computer.
You must put your DVR card into your PCI slot first.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Next >
Cancel

Fig2.31 Welcome page

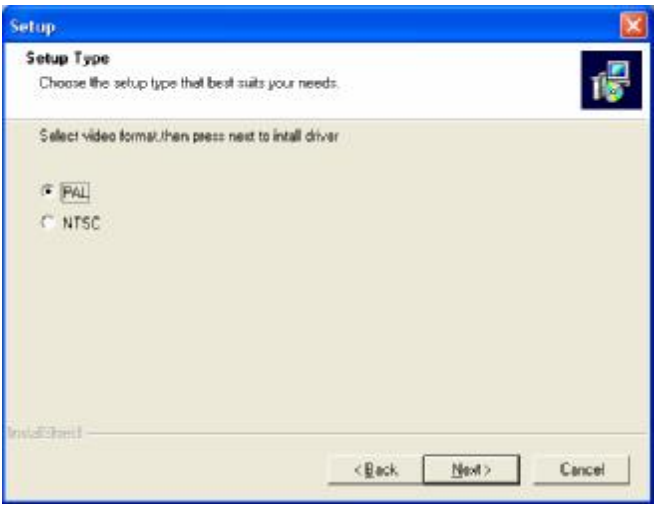


Fig2.32 Select video format

Select 'Next',

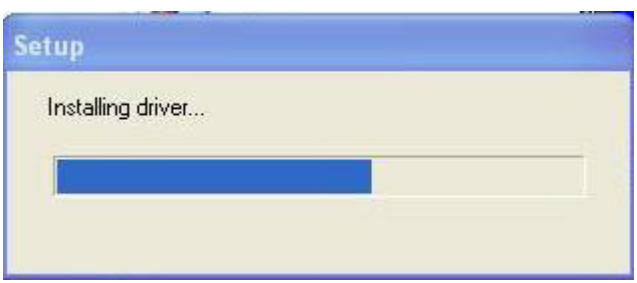


Fig2.33 Rate of progress of driver installation

After this process it begins to install the application packag uperDVR, as below:

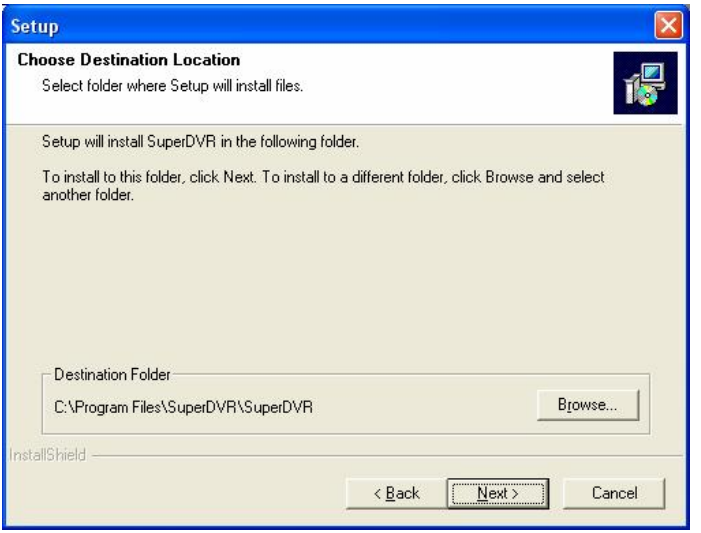

Setup
Choose Destination Location
Select folder where Setup will install files.
Setup will install SuperDVR in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\SuperDVR\SuperDVR
Browse...
InstallShield
< Back
Next >
Cancel

Fig2.34 Select installation pass

Select the suitable option, and click ‘Next’.

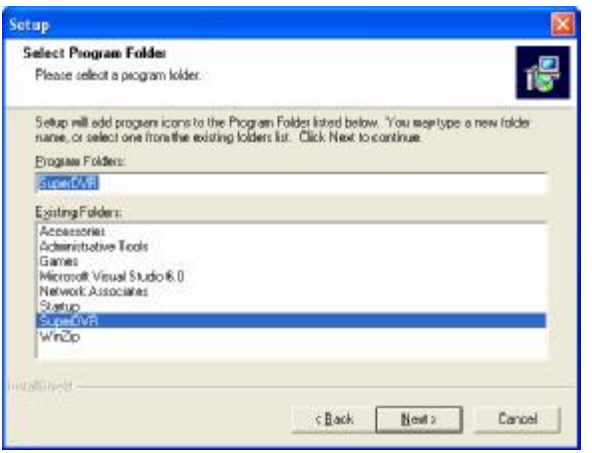


Fig2.35 Register application

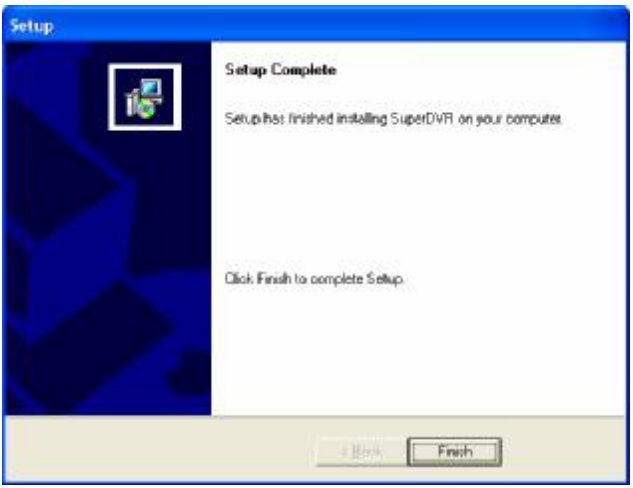


Fig2.36 Driver and application installation finished

Click ‘Finish’

Now, after all the processes are finished, restart the computer and launc
ıe surveillance program. It will create a shortcut on the desktop.

Fig2.37 Shortcut of SuperDVR

Notice:

**In case users cannot run the SuperDVR program, users restart th
omputer.**

3 Main display Interface

Run SuperDVR program and the main display interface appear as belov

Fig3.1 SuperDVR Main Display Interface

3.1 Display Control Panel

isplay Control Panel

'Display control panel' includes 'Display Mode' buttons and disk fre ɔace indicator, 'Auto Dwell' button, 1, 4channels display buttons. Every butto as its built-in indicator light. When switch on and off the buttons, the relativ ıdicator lights turn on and off to indicate the working status.

Notice: Users can judge which buttons are working by the color ɔ ıe buttons.

ispIay Modes

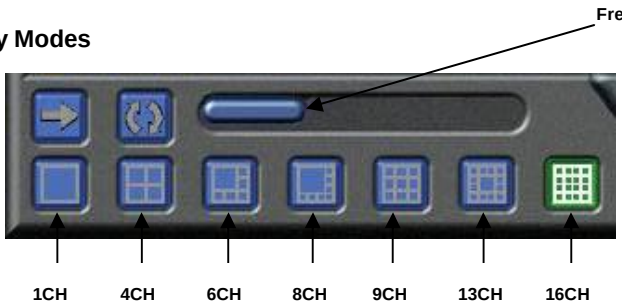


Fig3.3 Display Modes Panel

Notice:

In case the card installed is 4CH CARD, then only 1CH and 4C uttons are valid.

In case the cards installed are 2 pieces of 4CH CARDS or a piece ɔ CH card, then only 1CH, 4CH, 6CH, 8CH, 9CH buttons are valid.

In case the cards installed are 4 pieces of 4CH CARDS or 2 pieces ɔ CH cards or a 16CH card, then 1CH, 4CH, 6CH, 8CH, 9CH, 13CH an 6CH buttons are all valid.

lip Pages

When the display mode is 1CH, 4CH, 6CH, 8CH, 9CH or 13CH

uto Dwell display Mode

In case users want to see all the channels in sequence, then click nd enter Auto Dwell display mode.

uick Switch

In case the present display mode is 4CH, 9CH or 16CH, by clicking ar nage or the present display mode is 6CH, 8CH or 13CH, by clicking th igger image, the display will quickly switch to corresponding single chann isplay mode. When the present display mode is 6CH, 8CH or 13CH, b icking any image other than the bigger one, users can change the position e image with the bigger one. By clicking the single image again, it will retur the former display mode.

.2 Login

Click , and login window appears. Input the user name an assword, the default user name is 'SYSTEM' with no password, users ca ccess to the main interface. Users can change password for SYSTEM an reate new user names and passwords once has entered the system.

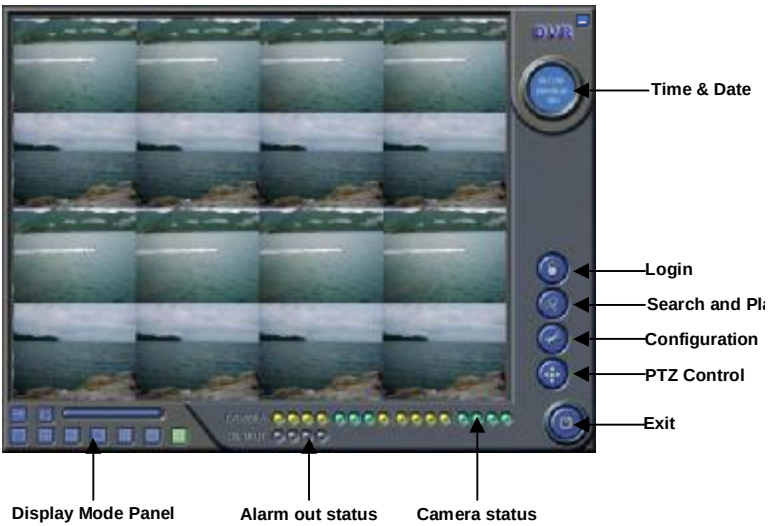


Fig3.4 Main Interface

.3 Record

ecord Modes

According to different record triggering methods, USB DVR serie deo capture cards offer users with 4 kinds of record modes:

(1) Schedule record mode (timer)

(2) Manual record mode

(3) Motion Detection record mode

(4) Sensor Alarm record mode

Motion Detection record mode and Sensor Alarm record mode ar

eparately and the record file also saved separately. The parameters, i.e amera ID, record date/time and record mode are all saved together with th ecord file.

ecord Setup

Fig3.5 Record Configuration Panel

In the 'Record Panel' of the Basic Configuration page, users can set a nds of necessary parameters for recording.

[Time stamp]: By selecting the options, the record date / time messag ppears in the record file images.

[Switch]: By selecting the options, users can turn on correspondin ameras. In case there is no camera for some channel, don't select the optio o as to save system resource.

[Manual record]: By selecting the options, the relative camera images w e recorded and saved all the time.

[Manual recording frame rate]: Select the record frame rate for manua ecord mode

[Schedule Record]: Schedule record option.

[Schedule Record Frame Rate]: Select Schedule Record frame rate

[Motion Detection]: By selecting the options, users can set relativ

[Sensor Record Frame Rate]: If sensors are utilized to trigger recordin sers can select record frame rate here.

[Camera Security]: The users are divided into three standards: Norm ser, Power user and Administrator. By selecting the options, on dministrators can see the corresponding channels.

[Record Quality]: Select record image quality here.

[Audio In]: SuperDVR4.3 system can support one channel of microphon udio input signal on the PC motherboard and audio inputs on the card if it ha sers can choose one video channel associate these audio signals.

Note:

Users can select more than one record mode.

ecord Status Panel

Fig3.6 Record Status Panel and Alarm Output Status Panel

Meanings of indicator light colors in row one are as below:

(1) Normal State

(2) Manual Record State

(3) Schedule Record State

(4) Motion Detection Record State

(6) Video Loss State

When the indicator light color turns into in row two, it means ther alarm output.

lanual Record Mode

Manual Record mode is the most commonly used record mode. In cas here is any special event happens, users can select this record mode an ecord timely.

Note: You can select high frame rate for short time manual recor hile select low frame rate for long time Schedule Record.

ensor Alarm Record Mode

Users can use sensors to trigger sensor alarm record for relativ hannels. At that time, the record status indicator light will turn red .

lotion Detection Record Mode

It will enable the system to detect image changes and begin to record b ctivating motion detection and motion alarm record. For instance, someboc pens the door, and the system detects image changes and begins to recor hen users can play back the recorded file and find out who opened doo /hen there is no movement, the system won't record and that's helpful fc aving system resource, and convenient for searching for event record file

he indicator light color in the record status panel is yellow .

Note: Users may need to setup in three places so as to enable motio

(2) Configure the motion detection areas for certain channels in 'Motic Detection configuration'

(3) Configure working schedule for certain channels in 'Schedul configuration'

chedule Record

Users can set working schedule for all kinds of record modes i

chedule configuration'. The green light in record status panel shows th

rresponding channel is in Schedule Record mode. Users can change recor

ıode to manual record at any time, and the green light will change int

lue light .

Please refer to chapter 4.4 for details.

ecycling Record

If users enable Recycling Record function and all the selected HD artitions are full, the former record data will be covered by the latest recor ata.

Users can set recording storage sequence for HDD partitions. Th ecording storage will automatically jump to the next partition when it's full. If a ıe partitions are full and recycling record mode has been enabled, the ne ata will overwrite the former recorded data automatically. Users can also se DD minimum storage alarm. Then once the present storage space is les ıen the minimum storage and recycling record mode hasn't been enabled, th ecord will automatically stop.

System Setup

Click and enter the main setup interface.

Fig4.1 Basic Configuration

The definitions of the buttons in Fig4.1 are as below:

Basic Configuration

Video configuration

Motion Detection Configuration

Alarm Configuration

P.T.Z Configuration

User Configuration

Return

4.1 Basic Configuration

Click and enter the basic configuration page where users ca etup the system or just use the defaults.

Fig4.2 Caption and General Configuration

Dwell Interval.]: If users enable Auto Dwell function in the main interface page sers can set the dwell time of a page here.

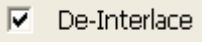
Caption]: There are four options, None, ID, Name and ID/Name for users t select for all the channels.

'None' means no title;

'ID' means camera numbers, i.e. 1, 2, 3 and so on

'Name' means camera names, i.e. Cam1, Cam2 and so on

'ID/Name' means both camera number and camera name, i.e 1/Cam1, 2/Cam2 and so on

Resolution]: There are four options,320×240、352×288、352×240、640× 80 for users to select for all the channels. As the video may have interlac nes if the users select 640x480, users may choose 

fo olve this problem, but it will occupy much more CPU loading.

Call Monitor] Only USB DVR3101. 3104 have call monitor function at presen sers can connect another monitor to the card and select the display mode ere.

he following is about record data storage. Please check Fig4.3

Fig4.3 Record data storage precept

Above, SuperDVR system shows all the available HDD partitions for user sers can select one or more of the partitions that will be used in sequenc om up to bottom. Please refer to chapter 3.3.8 to learn more about recyclin ecord.

In the following area in the basic configuration page, users can input th omputer user name and password in the relative boxes. Then when restartin ıe computer system, it will access to the system with the user name an assword input in the boxes.

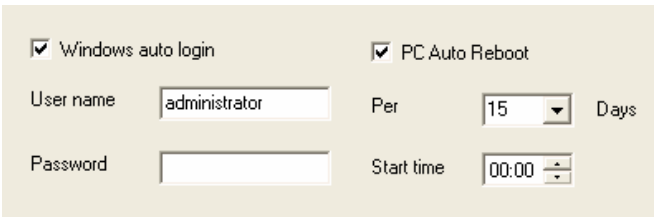


Fig4.4 Computer System Reboot setups

hould reboot the computer. Select

and se

ıe interval by day, which will guide the system to reboot automatical
ccording to the setups.

Click to return to the main display interface.

.2 Video Configuration

Click and enter the video configuration page as below. User
an change the values of corresponding items, i.e. contrast, brightness, hue
aturation, auto gain, by drawing the levers on the bars. Click 'Default', and a
ıe values will return to the default value.

Contrast]: set image color contrast

Brightness]: set image brightness

Hue]: set image hue

Saturation]: set image Saturation

Auto Gain]: users can set it as auto or manual. Only 4CH Card and 16CH car
ave this function (except USB DVR3316 because of only having manual gai
unction).

Default]: load defaults, i.e. set the first four items value as 5000 and the las
em value as 0.

4.3 Motion Detection configuration

Click and enter Motion Detection Configuration page, US
VR3101, USB DVR3104 as below:

Definition of the setup items:

[Sensitivity]: users can set motion detection sensitivity here.

[Select all]: select all the areas of the channel as detection area

[Clear]: clear all the detection areas and then users can sele ustomized detection areas by cursor.

Fig4.7 USB DVR3316's configuration page

[Speed]: motion detection sensitivity.

[Block Number]: set grid's number.

[Defaults]: set as default

et Motion Detection Area

In case users want to customize the detection areas for a certai hannel, first select the camera, then select 'Clear' and drag the cursor in th ox in the left side. Now, users can see a green box appears which shows th iotion detection area. Users can select maximum 16 customized areas fo ach channel.

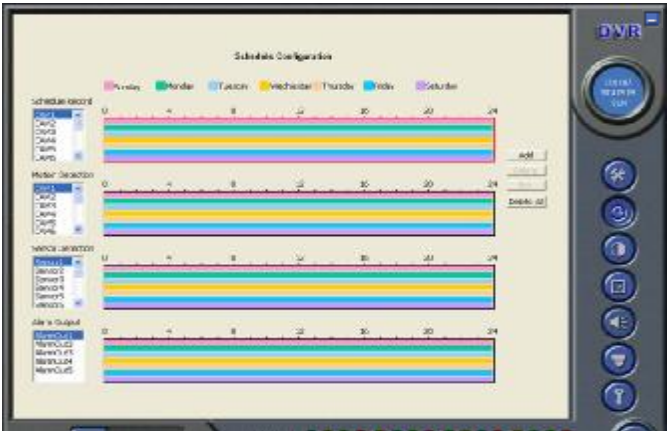
By click 'Clear', users can clear all the selected areas.

et Motion Detection Sensitivity

Draw the bar and select a certain value for motion detection sensitivity

.4 Schedule configuration

Click and enter Schedule Configuration page as below:



Our USB DVR series system offers the users with powerful schedul onfiguration options. Every channel has three kinds of record modes, i.e chedule record, motion detection record and sensor alarm record. We provid sers to set schedules from Sunday to Monday separately for all of the thre ecord modes. Sensor alarm record mode has the highest priority among a ecord modes. Here users can set schedules for it.

When users need to edit schedule for a channel, first select the camer ame in the three record modes group, and select the color bars on the rigl de, then select 'Edit' to edit schedules. Click 'Add' to add schedule for ertain channel.

Note: the added schedule should not be reduplicate to the forme ettings.

Click 'Delete' to delete schedule. Click 'Clear All' to delete all th chedules of a certain channel.

See the Fig4.8 and learn how to edit schedules for a channel:

Fig 4.9 Edit Schedule

4.5 Motion Detection Alarm Configuration

(1) Local place alarm record triggering conditions configuration

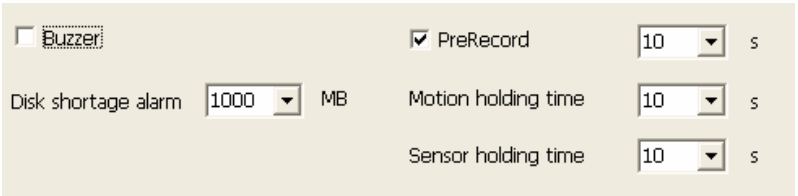


Fig 4.10 Local place alarm triggering conditions configuration

elative Explanations:

[Buzzer]: Users can select whether to open the computer buzzer if th larms have been triggered and also select how long the buzzer rings

[PreRecord]: Users can select whether to enable alarm pre-record an lso pre-record time.

[Motion Holding Time]: Motion sensor may detect some movement, only ıe movement lasts for a period exceeding the default time, then the aları ecord will begin and buzzer beeps.

[Disk Shortage Alarm]: If the HDD available space is less then the s alue, the buzzer will beep if 'Buzzer' has been selected.

(2) Alarm output terminal in LAN

elect ‘Remote Alarm’, and enter the area as Fig4.10 shows.

lick ‘Add’ to add alarm output terminals in LAN. Look the figure below:

Fig 4.12 Add alarm output terminal in LAN

Find the terminal computer and click ‘OK’, and users can see the nam f the selected terminal will appear in the box as below:

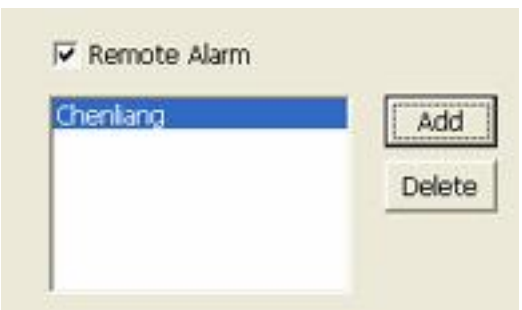


Fig4.13 List of alarm output LAN terminals

Note: this function is only valid in LAN, not in Internet

larm Record

Fig4.14 Alarm trigger method configuration

Every sensor can trigger multiple channels to record. For example, sers select CAM1, CAM4 and CAM5 for Sensor2, then once the sensor ctivated, CAM1, CAM4 and CAM5 will begin to record. Users can also sele ıe voltage, high and low, for alarm signals.

larm Output

Fig4.15 Alarm output Configuration

[Video Loss]: Users can select alarm output for this option. For exampl sers select alarm_out1 and alarm_out3 and remote alarm for video los hen video loss of any channel will trigger alarm_out1, alarm_out3 to show re ght in the Alarm output status panel (refer to Fig3.6 for reference), and th ystem will give out related warning message to the terminals in List of alar utput LAN terminals (refer to Fig 4.12)

[Disk Alarm]: when HDD available space is less than the set value (refe) Fig4.9), it will trigger selected alarms.

[Sensor 1]: If users have mounted sensors, when the sensors hav een activated, then it will trigger the selected output alarms.

[Motion 2] - [Motion 16] 4CH card has maximum 4 motion alarms, 8C ard has maximum 8 motion alarms, and 16CH card has maximum 16 motio

uto Mail Function

Press in the main interface and access to the followin larm Configuration area where users can make motion detection alar etup, sensor alarm setup and short of HDD space alarm setup. Now use an select the above-mentioned alarms to be output by Auto Mail.

Fig 4.16 Alarm output configuration

Click ‘Auto mail’ icon on the top left side and enter the followin rea to make Auto Mail setup:

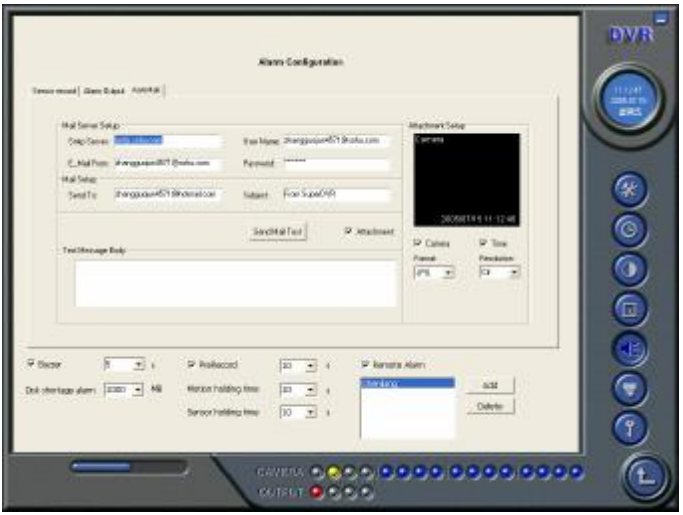


Fig 4.17 AutoMail setup interface

In this area, users can set receiver and sender's E-mail SMT erver and address. Note: the address of receiver and sender can be th ame.

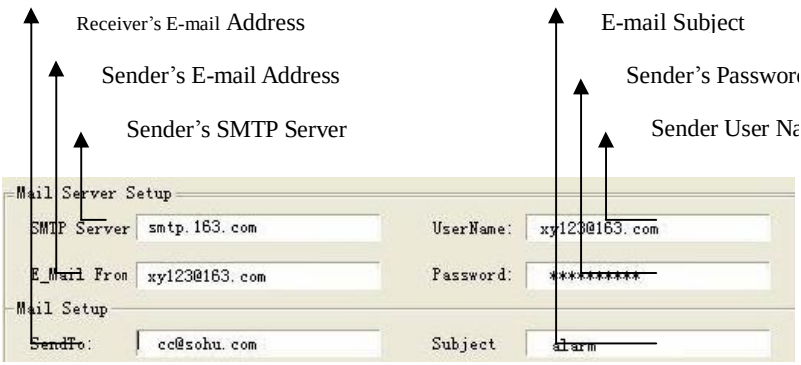


Fig4.18 Auto Mail Setup

To test the settings, click 'Send Mail Test'. If all settings are oka
ıessage 'Message Sent Successfully' will pop up. If some settings ar
rong, there will pop up corresponding warning message.

Enable 'Attachment', then the present image when an alar
iggered will be sent to appointed mailbox.

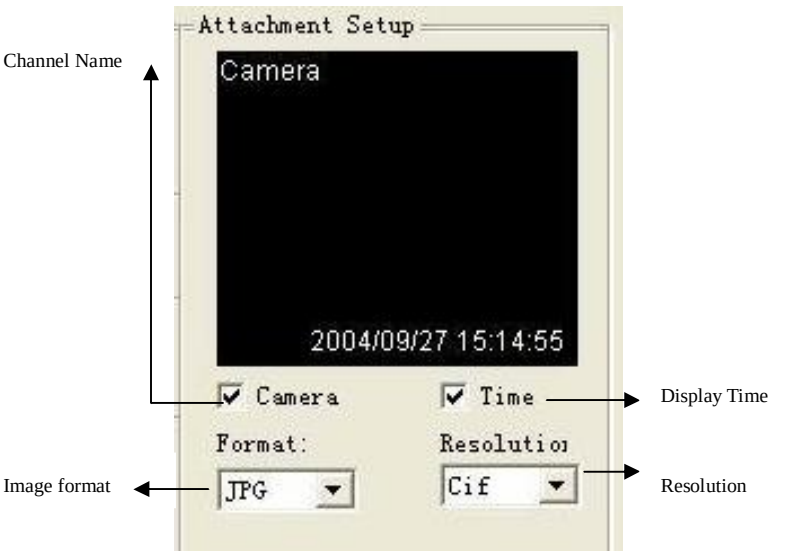


Fig 4.19 Attachment Setup

ote: for every alarm event, only one picture will be sent.

Users can put into a short message to make introduction of the Aut
ail, so the receiver will know what happened.

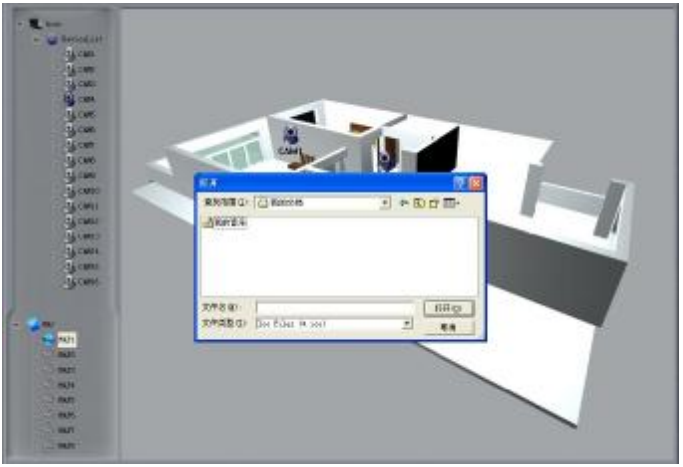
4.6 E-map Configuration

A E-map is used to show full geographic range covered by th whole monitoring system in the form of map .An E-map has the featur f simple operation and direct display of status and it is generally grade r tiered in the form of a tree diagram.

dit a map

In windows OS,Save related pictures in the folder of "M omputer",As bmp or jpg.

Click to enter "Emap"→ "Emap Edit",press right ke f"Load Picture"in the default interface of map and select the require ıap file in the related folder,open the file and the map will be displaye ı this interface,as fig 4.20



Draw the icon of camera to the corresponding position in th ıap,maximum 16 cameras can be set simultaneously,Click “chang :on”of camera by right key to change icon and click “delete”to cance ıamera.After editing,click right key in the map and select “save map”t ıve the current map.

A gray map icon can be drawn to the corresponding position in th ıap on the right and set it as a sub-map of the current map,or click th ray map icon on the left by right key and select “open”to build a nev ıap.And you can also click the blue map icon on the left by right key,an elect “rename”to change name of the map or select “close” to cancel thi ıap.

iew the map

Click to enter Emap,where the user can view distribution c ll cameras in the map, as fig4.21

When a channel alarm,the camera icon will flash yellow aları gnal.Select “Auto show”,in case of accident alarming,an alarmin ɔreen will pop out automatically and you can know about the alarmin osition rapidly. Click the camera head by right key to show the screen o ıe spot.

ſote:

. The map tree currently supports three levels and it is invalid fc addition exceeding three levels.

. For loading of a picture, when any side of length and width of th picture exceeds size of picture frame,it will be enlarged an shortened proportionally and standard size of picture frame i 833*678.

. On this interface,click camera by right key to display the spot an the 3316 card does not support this function temporarily.

. If “Auto close”is set in case that E-map pops up by automati alarming, the E-map interface set with “Holding time”without an operation and alarm will be close automatically. “Auto Close”i invalid when the E-map is opened manually.

. The map in the E-map is the default demonstration map,and the use can invite an engineering merchant to make the practical map c draw a map by their own according to their actual needs, then sca and save it in the computer to picture.

ł.7 P.T.Z Control Configuration

Fig4.20 PTZ configuration panel

rotocol Setup

sers can select different protocols, serial port number for P.T.Z devices.

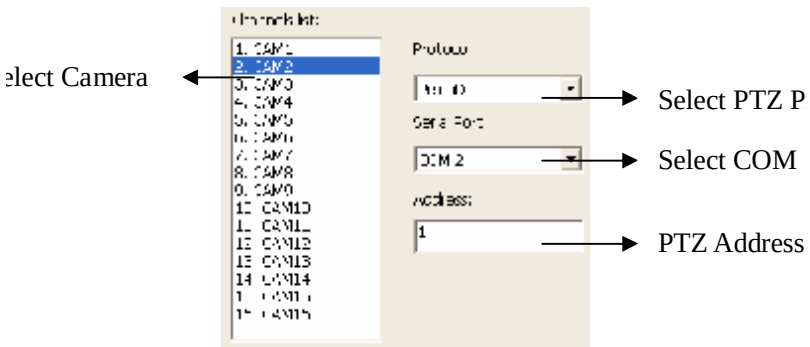


Fig4.21 P.T.Z protocol setup

[Address]: P.T.Z device communication address

erial ports setup

Users should firstly enable the P.T.Z control function of a certain camer nd select a port number in P.T.Z Protocol Setup (refer to Fig4.22), and the et corresponding parameters in the area below:

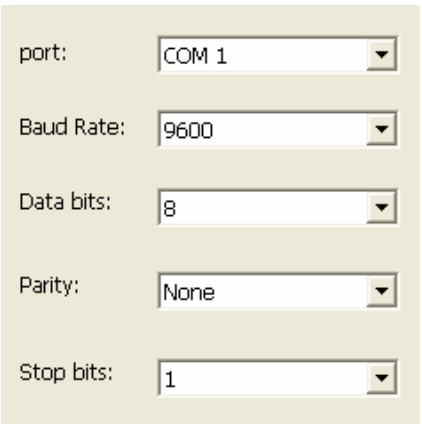


Fig4.22 P.T.Z serial port setup

Relative explain:

[Port]: users can set port number

[Baud Rate]: set P.T.Z device Baud Rate, default value is 9600

[Data bits]: default value is 8

[Parity]: odd and even parity bit, default Null

[Stop Bits]: default value is 1

Notice:

Users should look into the P.T.Z device and get the Baud Rat rotocol, and Address first, then set their values accordingly.

4.8 Users Configuration

Click and access the following area:

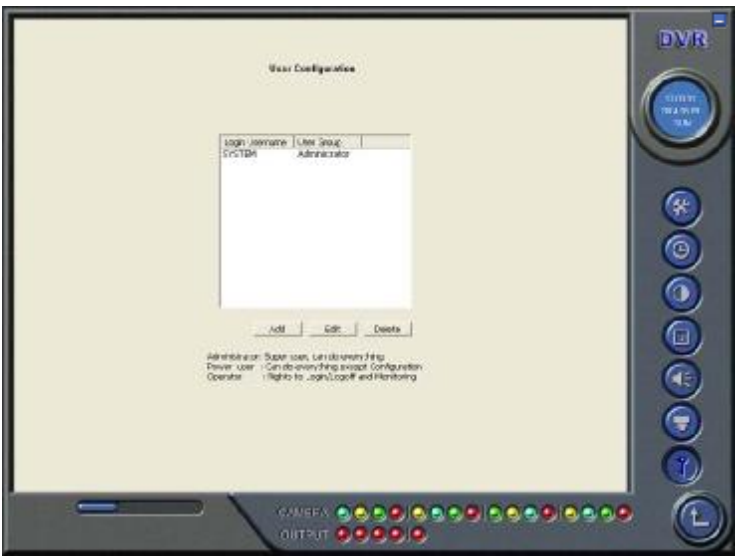


Fig4.23 User configuration

After installing the SuperDVR system, it will automatically create a dministrator user of which user name is SYSTEM with no password. User an use this user name to log in the system and 'Add', 'Edit' and/or 'Delet sers' parameters.

hange User rights

Select a user in User Configuration area (refer to Fig4.23), and click 'Ed

Fig4.24 User password and rights edit

Users can edit user's password and rights here, but not the user name

Note: The system offers three kinds of rights:

Administrator: this kind of user of the highest rights to change all th ettings and playing back.

Power user: this kind of user cannot access Basic Configuration an nange settings, but has all the other rights of Administrator.

Normal: this kind of user can only access SuperDVR main displa nterface (refer to Fig3.1)

Notice:

Administrators can change Power users and Normal users' rights ut can't change other administrators' rights.

dd User

Click 'Add' in User Configuration (refer to Fig4.25), and access th llowing area:

Fig4.25 Add user

Input user name, password, confirm password and select user rights, an
ıen click 'OK'.

elete User

Select the user name in User Configuration (refer to Fig4.26), and clic
)elete', and confirm delete. See below:

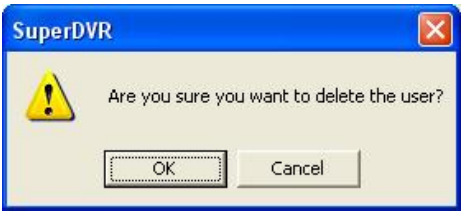


Fig4.26 Confirm delete user

5 P.T.Z control

Click in the SuperDVR main display interface (refer to Fig3.1

Fig5.1 P.T.Z control interface

Users can control P.T.Z devices by the function buttons on the right sid
ee as below:

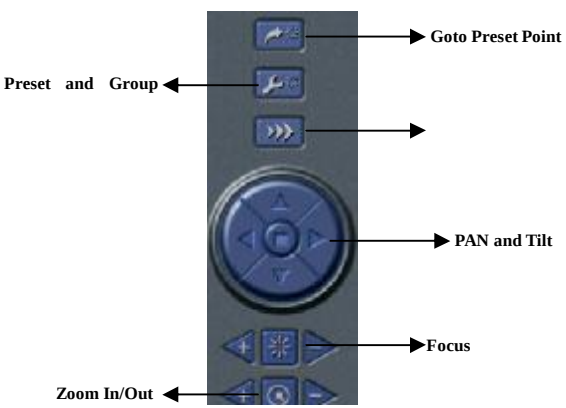


Fig5.2 P.T.Z Control function buttons panel

In the upper circle, there are five function buttons, i.e. upward buttor ownward button, leftward button, rightward button and stop button. The othe uttons are Focus buttons (+ and -), Zoom buttons (+ and -), Iris buttons (+ an

. Click and to increase and decrease the corresponding values.

When users need to utilize P.T.Z control, first enter P.T.Z Contr nterface (refer to Fig5.1), and click the corresponding channel (users can se red fringe around the channel), then users can begin to control the enable .T.Z control enabled camera.

Notice:

After pressing left mouse button on any function button in P.T.Z Contr unction Buttons Panel (refer to Fig5.2), PTZ device starts moving, when use eleases it, PTZ device stops moving.

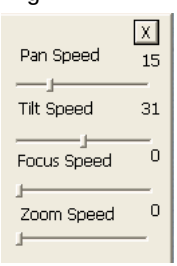


Fig 5.3 Speed adjustment

Users can select different Pan speed, Tilt speed, Focus speed an oom speed for P.T.Z devices.

[Pan Speed]: set horizontal rotating speed

[Tilt Speed]: set vertical rotating speed

[Focus Speed]: set camera focus speed

ifferent preset or group set.

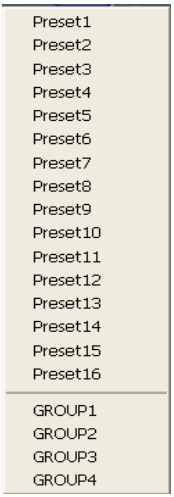


Fig 5.4 Preset and group select

Click to set Preset point and change Preset point name. Ever roup includes multiple Preset points. In case users select preset1, preset nd preset3 for group1, preset1, preset2 and preset3 will be automatical ccessed in sequence after users select group1 for auto scout.

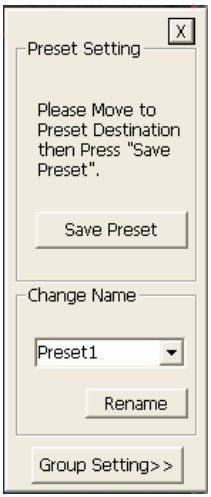


Fig 5.5 Preset

Click Group Setting>>, a pop-pup window as following wi ppear:

[Dwell]: users can set the dwell time of a page here.

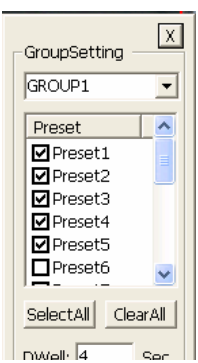


Fig 5.6 Group configuration

5 Record Search and Playing back

Click in the SuperDVR Main Display Interface (refer to Fig3.1 nd access to the following areas:

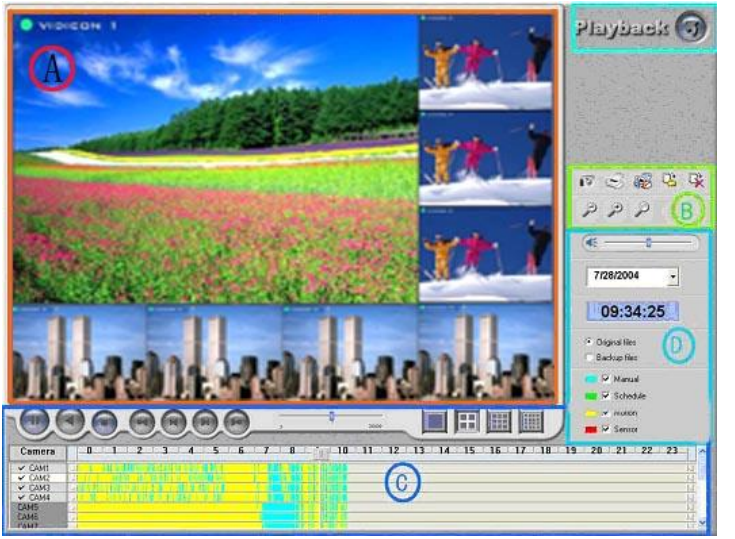


Fig6.1 Search and playing back Interface

This interface is divided into 4 parts, i.e. record search area, recor laying back area, record play area and other functions area.

Press and return to the live surveillance status.

6.1 Record Search

Fig6.2 Record search area

, **B** and **C** marks the areas of three search methods.

: Search by date (range from Jan 1st, 1971 till now)

: Search in backup file and original file

: Search by record mode. This is useful when user wants to look throug ome **important events.**

Users can select one or above of the three searching methods t earch for needed record file.

6.2 Record Playing back and Control

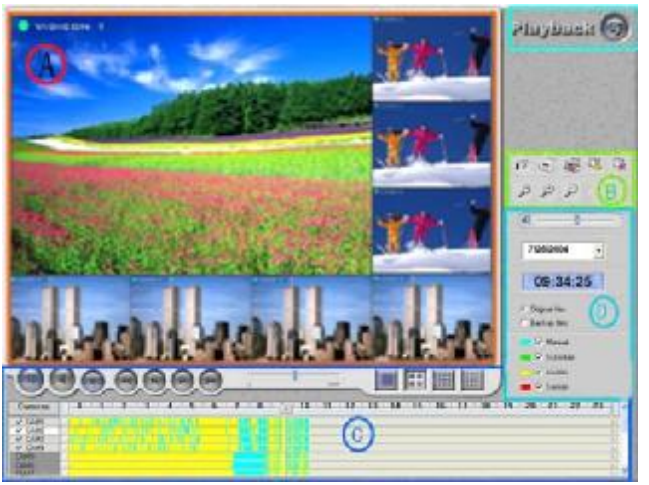


Fig6.3 Record playing back and control

xplain of the button function:

: Play / Pause

: Stop

: Play backwards. This button is valid when playing back by singl

hannel

: Next Section. This button is valid when playing back by single chann

: Previous Frame. This button is valid when playing back by singl

hannel playing back pause mode

: Next Frame. This button is valid when playing back by single chann

laying back pause mode

Users can select suitable play speed in the area as below:

Fig6.4 Play Speed Controller

The following area shows the record files of different channels:

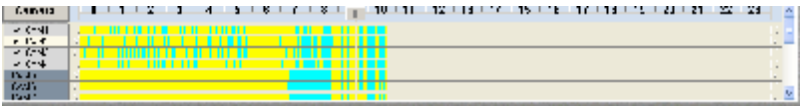


Fig6.5 Record Files Browser

The upper bar shows the hours in a whole day. Click the bar, and it will b
agnified 10 times, therefore users can see the detailed time marks. Whe
earching for a certain section of the file, users can draw the scrolling-bar t
he area that most likely contains the needed section. If necessary, click th
ar once and see the magnified time marks for precise search.

ark gray, and a tick sign will appear beside the channel title.

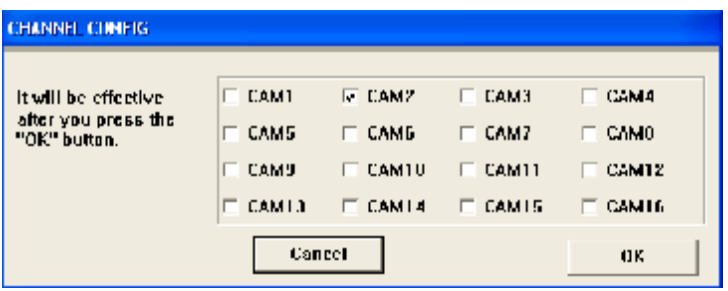
The main area at the center gives details of the record files. Differer olors of the bar show different kinds of record modes of the files. Th llowing are the definitions of the color bars:

Manual Record Events
Schedule Record Events
Motion Detection Record Events
Sensor Alarm Record Events

Click to play selected record files. The system offers 1Ch, 4CH CH and 16CH playing back modes. The following is multiple channels playin ack control area:

Fig6.6 Multiple Channels Playing back Control

The system default playing back mode is one channel. That's Camera1 case users need to change to other channels, then click and th llowing channel configuration window will appear, as below:



ig6.7 Channel Configuration Window for 1 Channel Playing back Mod

ote:

ack.

In case user needs to play back 4 channels at the same time, the

ick , and the following channel configuration window will appear, a

elow:

Fig6.8 Channel configuration dialog for 4-channel playing back mode

Users can select any four channels from all the available channels fo

laying back.

The system offers quick select methods for users. For example: b

electing 'Third 4 Channels' Camera9, Camera10, Camera11, and Camera1

ill be quickly selected simultaneously.

In case user need to play back 9 channels at the same time, the

click , and the following channel configuration window will appear, a

below:

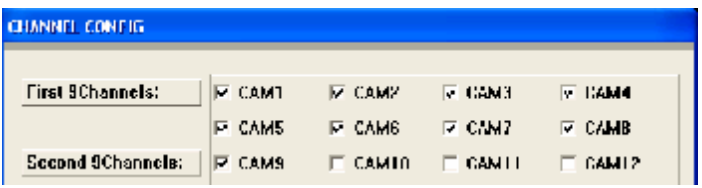


Fig6.9 Channel configuration window for 9-channel playing back mode

Users can select any 9 channels from all the available channels fo laying back. Users can also use the quick select methods by the system.

In case user needs to play back 16 channels at the same time, the

ick , and the following channel configuration window will appear, a elow:

ig6.10 channel configuration window for 16-channel playing back mod

Then click 'OK' to play back.

Tips:

Click any channel and magnify it to see the single channel. Clic gain to return to the former playing back mode.

.3 Other Functions

ecord File Backup

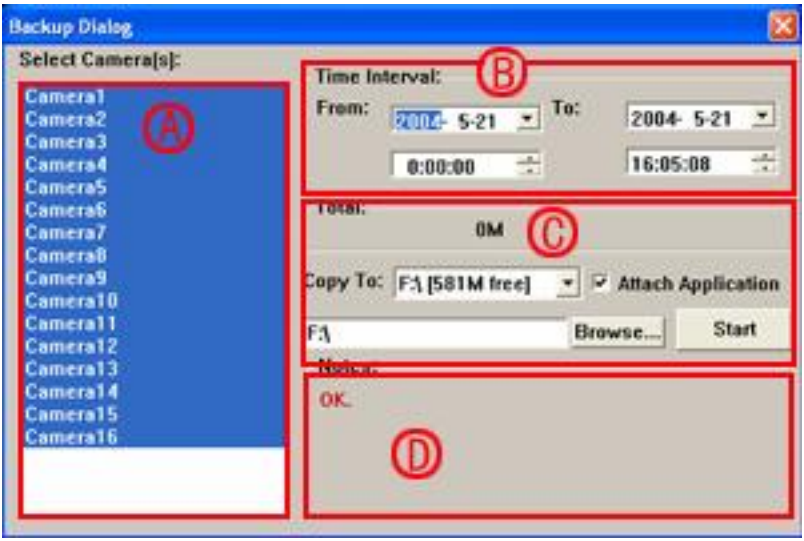


Fig6.11 Recorded files backup

Users can select corresponding cameras and copy the record files t nother path in this area. This is the file backup function of the system.

The interface is divided into four areas:

A: Camera Selection Area

B: Time and Date Selection Area

C: Operation Area

D: Information Area

In A area, users can select one or more cameras;

In B area, users can set start time/date and end time/date, and the ackup the files recorded by channels selected in A area by the time interval;

In C area, users can set backup path

Click 'Start' to backup files.

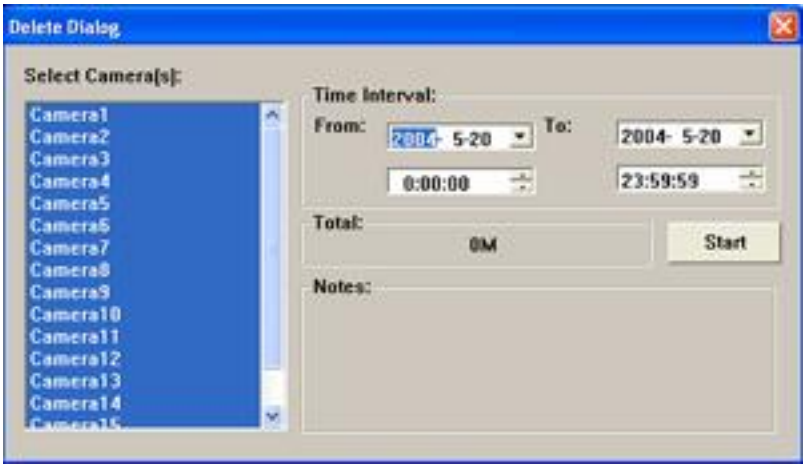


Fig6.12 Delete recorded files

Users first select the channel on the left side, and then select sta me/date and end time/date of the record files, click 'Start' to delete files.

apture Pictures

The definitions of the function buttons are as below:

: Capture picture

: Print setup

: Print captured picture

otice:

Only in one channel playing back pause mode (refer to Fig6.1**) thi**

olor rectification for the present channel, including brightness, contras aturation and hue, and press 'Default' to recover to the original settings.

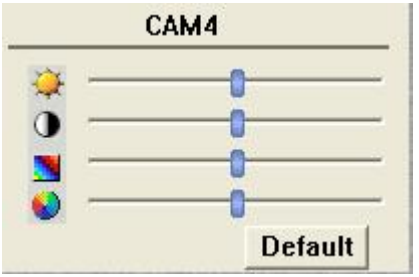


Fig6.13 Color control panel

When in the single channel playing back pause mode, click an ıe following window will appear as below:

Fig6.14 Capture multiple images in sequence

Click and make corresponding print setup as below:

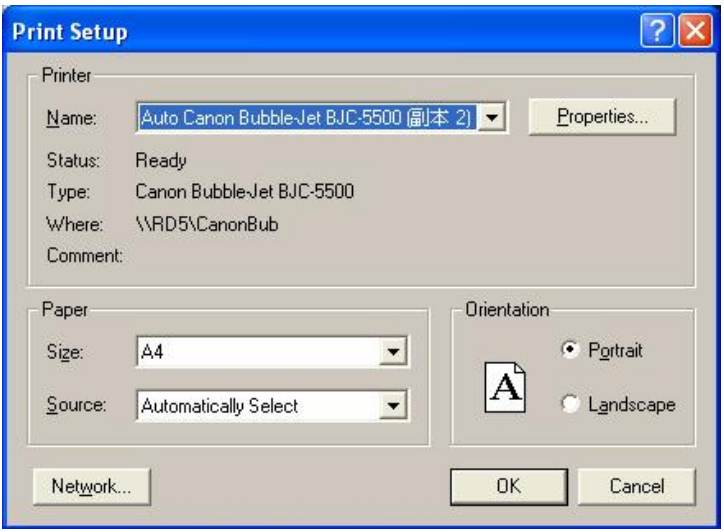


Fig6.15 Print setup

Click users can have print preview as below:

Fig6.16 Print preview

Select Position and then click + or - to move th
icture upward, downward, leftward and rightward. Select Size and the
ick +, - to zoom in and out the image. Press Default
eturn to the original settings. Press 'Print' in the print preview window, user
an print the image directly.

nage Zoom In / Out

When in single channel playing back state, the zoom control icon
will appear. Select and click on the channel w
oom out the image. By clicking continuously, the image will be zoomed ou

ictures for example,

Fig6.17 Example: original size

Fig6.18 Example: zoomed out

Fig6.19 Example: zoomed in

' Remote Surveillance and Playing ɔack

'.1 Remote Live Surveillance

Our USB DVR series surveillance system supports Remot urveillance through LAN, Internet and Intranet. Simply enable web car ınction of the system on a computer which is connected to Internet, and th ɔmputer system will become an Internet web cam server. On any othe ɔmputer that connects to Internet or the same LAN network, input th uperDVR server address in IE browser, the end users can get high qualit ɛal time image from the server and also control the P.T.Z devices.

ɛmote Surveillance Server Configuration

Users should firstly enable the Web Camera Services in Bas onfiguration (refer to Fig4.1) and set other settings as below:

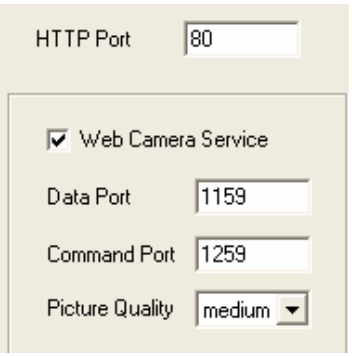


Fig7.1 Web cam server configuration

[HTTP Port]: Web service & download service port, default value is 80

[Data Port]: data transmission port, default value is 1159

[Command Port]: control command port, default value is 1259

[Picture Quality]: default value is higher

emote Surveillance Client-side Setup

On the client-side, users should firstly install the WebCam program. An ıe following is the detailed information.

Input the WebCam server IP address in Internet Explorer and th ollowing page appears:

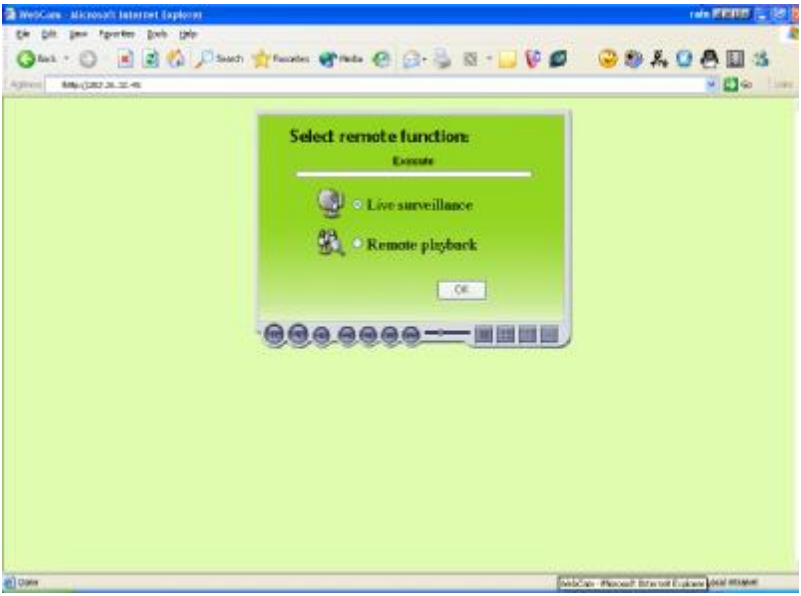


Fig7.2 Remote surveillance and playing back services selection

[Live Surveillance]: this option is for users to see remote live view.

[Remote Playing back]: this option is for users to play back recorde es.

Notice:

In case the HTTP port setting is not 80 (80 is the default setting ommonly use), and when input the server IP address, users should ad ıe port number after the IP address. For example, the server IP addres ; 211.148.96.234, and the port number is 81, then users should inpu ttp://211.148.96.234:81 .

Select Live Surveillance, and click 'OK' to install Remote Surveillanc ient side program as below. In the next chapter, we will learn more abo

indow will pop-up:

Security Warning
Do you want to install and run
"http://192.168.0.179/ocxfile/DownLoad.ocx"?
The publisher cannot be determined due to the problems below:
The test root has not been enabled as a trusted root.
Yes
No
More Info

Fig7.3 Inquiry for installing WebCam downloading component

lotice:

If users have already installed client-side program before an uperDVR version has not been changed on the server, after inputtin erver address in IE browser, Fig7.9 will come out without downloadin r installing WebCam.

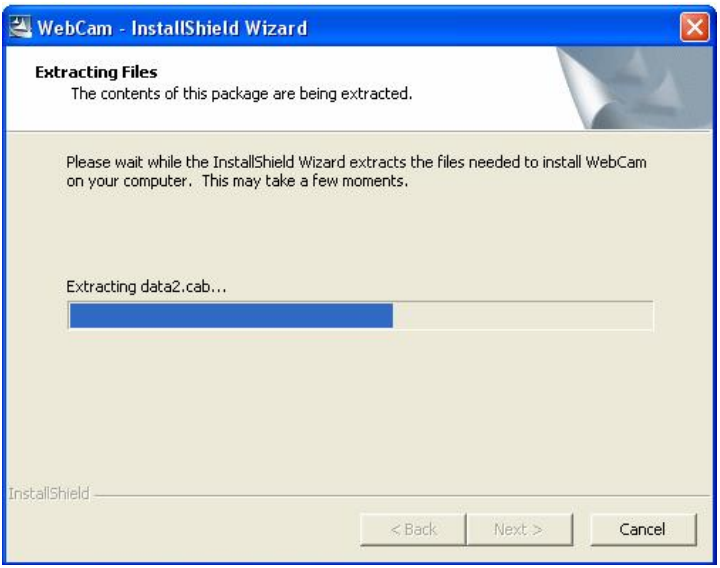

WebCam - InstallShield Wizard
Extracting Files
The contents of this package are being extracted.
Please wait while the InstallShield Wizard extracts the files needed to install WebCam on your computer. This may take a few moments.
Extracting data2.cab...
InstallShield
< Back
Next >
Cancel

Fig7.4 WebCam client-side driver initializing

After initialization has been completed, WebCam will be installe utomatically.

Fig7.5 WebCam installation

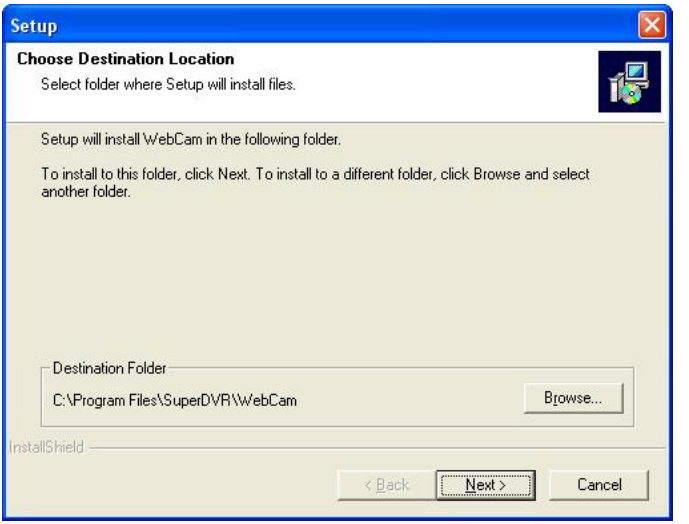

Setup
Choose Destination Location
Select folder where Setup will install files.
Setup will install WebCam in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\SuperDVR\WebCam
Browse...
InstallShield
< Back
Next >
Cancel

Fig7.6 Default install path

Users can choose path by clicking ‘Browse’. Click ‘Next’ to continue:

Setup
Select Program Folder
Please select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.
Program Folders:
SuperDVR
Existing Folders:
Microsoft Visual Studio 6.0
MotionPerfect
Network Associates
Office2000
Port Explorer Evaluation
Real
Realtek Sound Manager

Fig7.7 Register program folder name

Click ‘Next’ after input the folder name or select the default name, an
ıen ‘Finish’ installation as below:

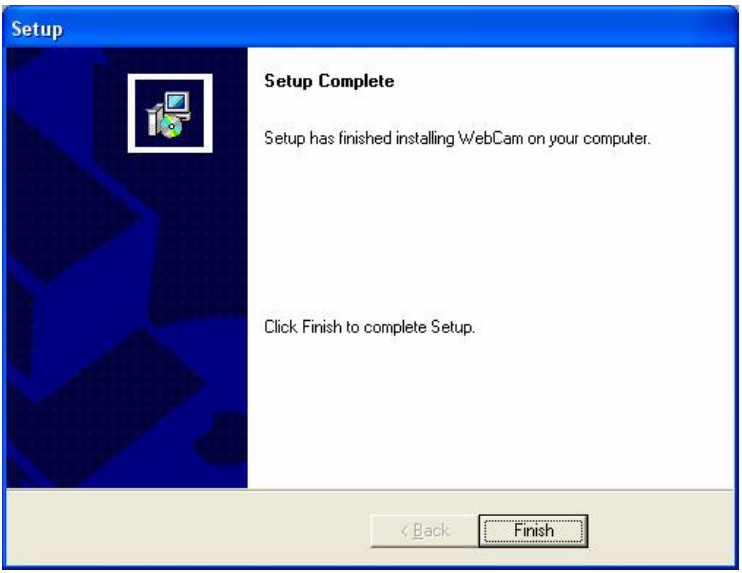


Fig7.8 Installation success

Then the WebCam main interface will appear as below:

Fig7.9 WebCam main interface

Click and input user name and password, as below:

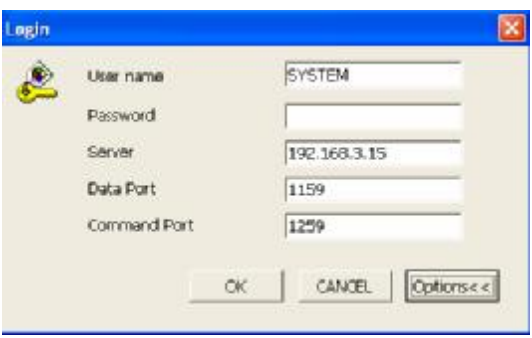


Fig7.10 Login webcam

Click ‘Options’ and enter the advanced setting area. User can modify default Server IP, Data Port and Command Port

et user name and password at the server end (refer to Fig4.23).

After logging into server, you will get the first channel video from serve nd you can adjust screen mode just like SuperDVR, the bellow is th /ebCam surveillance mode interface.

Fig7.11 WebCam surveillance state

Alarm state monitor and PTZ control are all same as SuperDVR, w ould not need to give detail explanation here.

.2 Remote Playing back

emote Playing back server Configuration

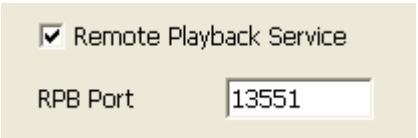


Fig7.12 Remote playing back service configuration

[RPB Port]: the default value is 13551

ote:

Uses can enable remote playing back service without running th uperDVR. Just enter the installation folder of SuperDVR, and activat lediaServer, users can also enable the RPB service.

Once the remote playing back service has been enabled, there will b n icon on the taskbar to remind users the service has been activated.

Fig7.13 Remote playing back service activated

emote Playing back Client-side Setup

Users should also first download and install playing back program. Th napter will guide users how to make it.

Input server address in IE browser, and the following interface appears

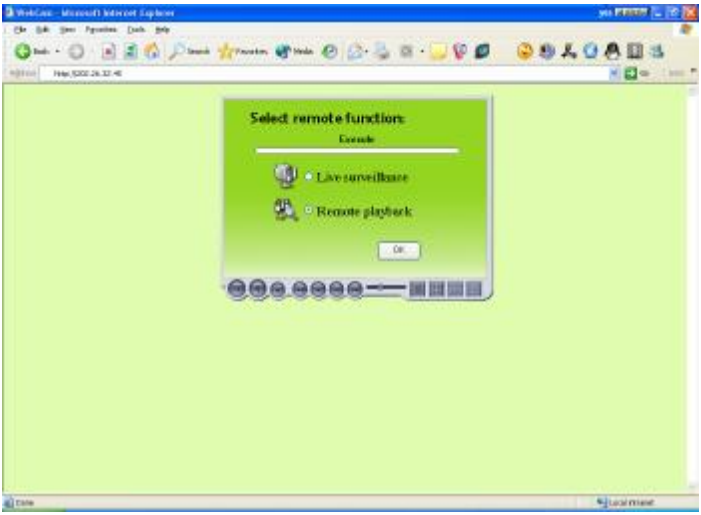


Fig7.14 Remote surveillance and playing back services selection

Select ‘Remote playing back’ and click ‘OK’,

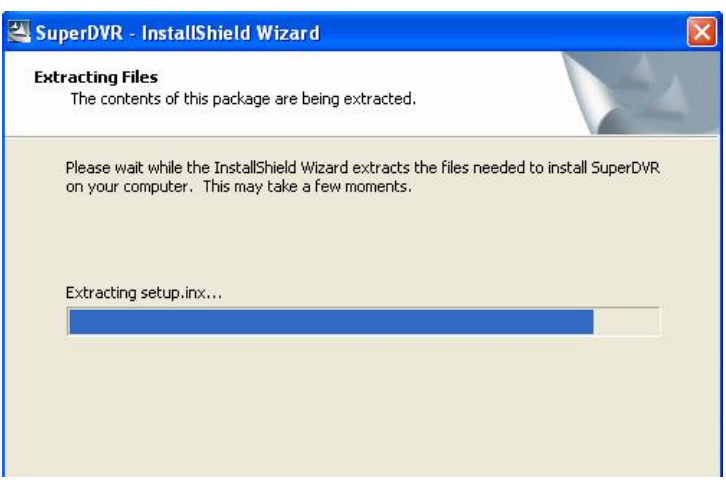

SuperDVR - InstallShield Wizard
Extracting Files
The contents of this package are being extracted.
Please wait while the InstallShield Wizard extracts the files needed to install SuperDVR on your computer. This may take a few moments.
Extracting setup.inx...

Fig7.15 installing remote playing back program

Notice:

In case users have already installed the remote playing bac rogram before and SuperDVR version has not been changed, there i o need to download and install it again, it will go to Fig7.20 directly.

After initialization has been completed, users need to install the progran irst select installation path as below:

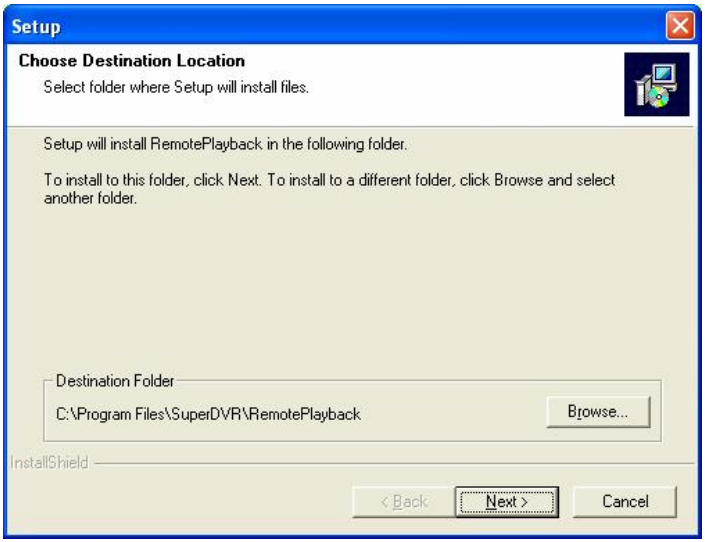

Setup
Choose Destination Location
Select folder where Setup will install files.
Setup will install RemotePlayback in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\SuperDVR\RemotePlayback
Browse...
InstallShield
< Back
Next >
Cancel

Fig7.16 Default install path

Users can set another path by clicking ‘Browse’. Click ‘Next’ to continue

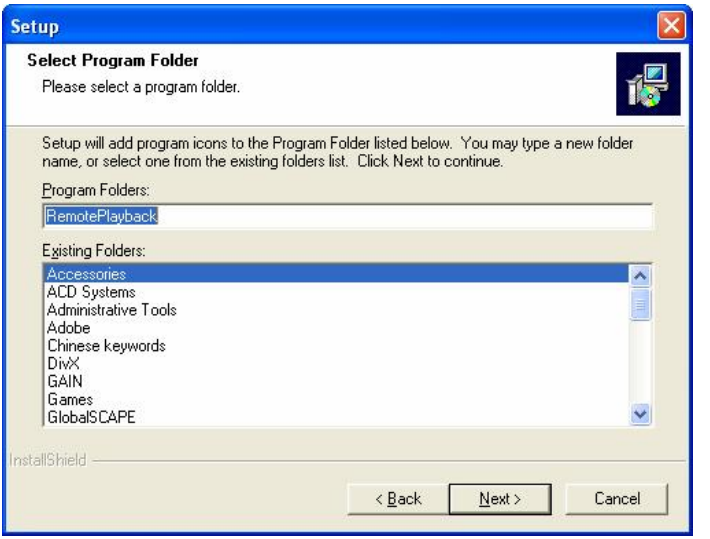
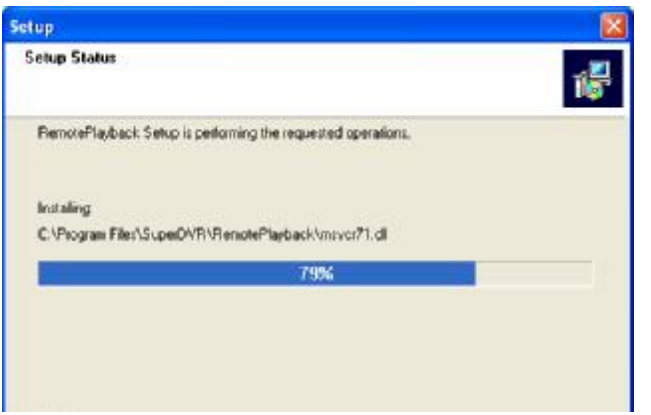


Fig7.17 Register program folder name

Click ‘Next’ after inputting the folder name or selecting the default name

ıen the following figure appears:



And then click ‘Finish’ to finish installation as below:

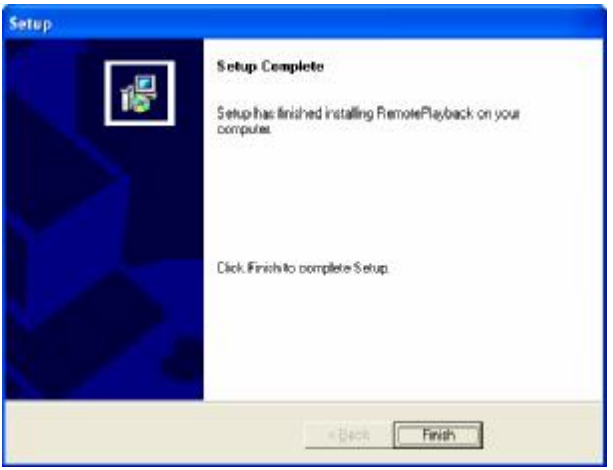


Fig7.19 Installation success

Then the playing back client-side main interface will appear as below:

: Log in

: Minimum

: Setup

: Exit

: Play

: Pause

: Begin / Stop record

: Slow down playing speed

: Accelerate playing speed

: Play at the original speed

emote Playing back Configuration and Control

.2.1.1 Setup

Before logging in the server, first click and mak orresponding settings,

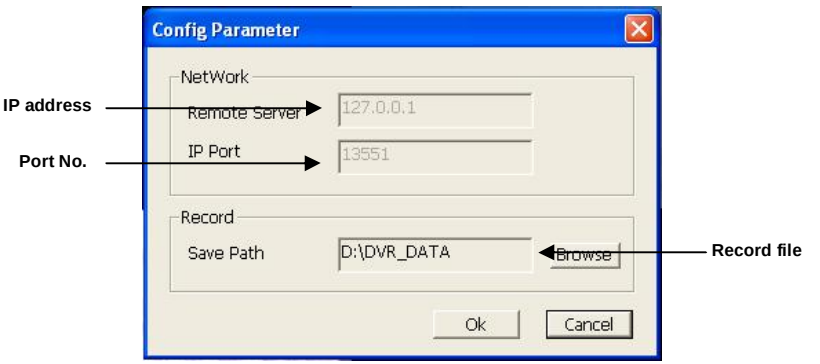


Fig7.21 Client-side configuration

.2.1.2 Log in Remote Playing back System

Click after making up certain configurations, and the followin indow appears.

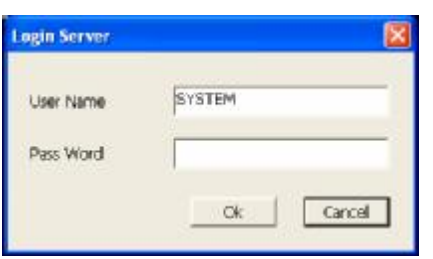


Fig7.22 Login remote playing back system

Input the right user name and password and enter the remote playin ack main interface as below:

ote:

The default User name is SYSTEM with no password. Users can s

Fig7.23 Remote playing back main interface

.2.1.3 Control playing back

Select the time period for playing back

Once login the system, the setup button and login button are disable

lick and the following window appear.

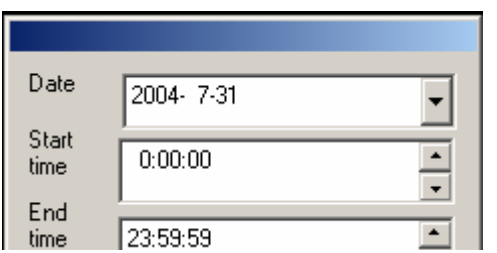


Fig7.24 Select date/time period for playing back

Select the date / time, then click 'OK' to save the setting and return to th ıain interface. Click 'Cancel' to give up setting. The selected time / date w ppear at the left bottom of the screen.

Play Control

Click and begin to play the recorded files. Press t ause. Users can draw the lever as below to select time to play.

Fig7.25 Time control Lever

The following area is for users to control the play speed.

Fig7.26 Play speed control module

emote Record

Click and begin to record remotely. And the icon change

. Click it again and stop recording. Users can select save path an compression format before logging in the system.

'.3 Mobile Surveillance

ıtroduction to Mobile Surveillance

In SuperDVR system, the mobile surveillance can be realized b connecting the mobile phone to the system. For time being, the function i supported by Windows Mobile system and Symbian Series 60 Develope Platform 2.0 intelligent mobile phone system. So far, the types of phones o which the function has been tested include mini 02, Xda II, Xda Atom, pock PC phone edition, dopod 696, dopod 900, dopod 838, ASUS P525, which ar based on Windows Mobile system, and Nokia 6260, Nokia N70, Nokia 323(Nokia6680 based on Smybian Series 60 system.

lient Configuration of Windows Mobile

Server configuration on SuperDVR needs to be set before the function o hone is activated. Please refer to Section 7.1 “Remote Live Surveillance”.

Firstly activate the network access on mobile phone and then run “Interne xplorer” after the server configuration has been done. Input the server ddress and the connection is built up shown as below:

http://192.168.3.120/pcamEn.h
back || Refresh
>>
>>Update:PCam v1.0.6.5291
Tip:
You will see a message appear like the following after you click the 'Update' URL,please click the "Yes" button:
Download
PCam.PPC2003_ARM.CAB to the 'My Document' folder in Main

Figure7.28 downloading dialog box

Please click “Yea” to start installing:

Figure7.29 downloading status information

PCam will be opened after the download is finished:

Input the server's address, username and password respectively in the columns o Server", "User" and "Password" and click "Go" to log on the server. Successful lo n information appears if the server address, username and password are all correct.

Figure7.31 Log on system successfully

Channel one is the default displaying channel after log on successfully. Changin nannel can be approached by selecting the channel in rolling-down menu o Channel":

Figure7.32 selecting channel

Click "Stop" to disconnect the communication with the server

activated. Please refer to Section 7.1 “Remote Live Surveillance”.

Firstly enable the network access on mobile phone and then run Web browse ter the server configuration has been done. Input the server’s address and then th onnection is built up shown as below:

Figure7.33 Open Web Browser

Input the server address in a new-built bookmark. Click this bookmark t onnect to the server.

Figure7.34 Build a bookmark

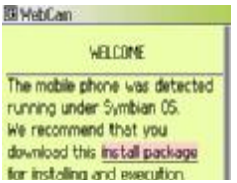


Figure7.35 Connect to the server

Click “install package” to start downloading and a confirmation informatic indow pops up after downloading is finished.

Figure7.36 Confirmation Information window

System reminds of whether to install the “SCam” if clicking “Yes”:

Figure7.37 Installing information

Click “Yes” to start installing. A Scam shortcut icon appears on the desktop aft he installation has been done.

Figure7.38 Scam shortcut icon in system menu

Run “Scam” by clicking the icon:

Figure7.39 Main layout of Scam

Enter the main menu by clicking “Options”,

Figure7.40 Main menu of Scam

Click “Setting” to set the log-in information,

Figure7.42 Connecting to the server

Figure7.43 Log on successfully

Appendix

Appendix 1: Differences Among USB DVR Series Card

Card / Item	USB DVR3101	USB DVR3104
Video Input	1	4
Audio In	1	2
Alarm Output	0	0
Alarm In	0	0
Relay Output	N	N
Watch Dog	N	N
Call Monitor	N	N

Appendix 2: Frequently Asked Questions

Appendix 2.1 About Installation

Appendix 2.1.1 Cannot Install the SuperDVR Driver

Possible causes:

(1) USB DVR series capture card hasn't been installed. Before installin driver, users should install capture card hardware in the PCI slot in the computer case.

⑵USB DVR series capture card hasn't been installed correctly. Please unplug the card and install it again or change to another PCI slot.

⑶Not compatible with PC hardware.

Appendix 2.1.2 Why cannot run SuperDVR at the windows 003 operate system?

Enabled Hardware Acceleration and DirectX Acceleration:

Hardware Acceleration: click properties of display′ s table settin dvanced "Trouble shooting", pull the hardware acceleration spooler of th age to full , click "ok" and Exit.

DirectX Acceleration: click "start" →"Run", input "dxdiag" and clic enter", Come into the "DirectX Tools", select "Display", click and enabled th ree buttons "DirecUSB DVRraw 、Direct3D and AGP Texture".

Appendix 2.1.3 'Unspecified error' in the End of Installation

are not well compatible.

(2) Microsoft Windows system database has been destroyed. Reinsta windows system or try to install SuperDVR driver abov SuperDVR3.1.1 to solve the problem.

(3) Relative Windows support files has been lost or been destroye need to reinstall window system, or try to install SuperDVR drive above SuperDVR3.1.1 to solve the problem.

ppendix 2.1.4 Can't find USB DVR series Devices in Device lanager

Enter the Device Manager and cannot find corresponding USB DV series Devices, the possible cause may be as below:

(1) Windows system error. Restart computer.

(2) USB DVR series card error. Change for a valid one.

(3) Install SuperDVR

ppendix 2.2 How to Use SuperDVR

ppendix 2.2.1 Meanings of the indicator lights

Grey— Normal state

Red—Sensor alarm

Yellow— Motion detection alarm

Blue—Video loss

Bottle Green— Manual record state

Reseda— Schedule record state

ppendix 2.2.2 How does the different record mode work?

Users can set more than one record modes in Record setup (refer t ig3.5), but actually, there is only one valid record mode for recording.

The priority order of the record modes is: Sensor Alarm Record lotion Detection Record > Manual Record > Schedule Record

ppendix 2.2.3 How to set recycling record mode on the ystem?

Select 'Recycle' in basic configuration, refer to Fig4.1.

Users can select multiple HDD partitions to save record files. It wor over former files until all the partitions' available storage spaces are less tha 00MB.

In case users haven't enabled recycling record mode and the partition torage spaces are less than 100MB, the alarm will ring and the HDD usag ndicator will turn red.

ips:

It is recommended that install SuperDVR into the partition installe ith windows system (normally C:), and save record files in HD artition D:

ppendix 2.2.4 How to set auto reboot function?

In case Microsoft Windows system continuously runs for a couple o ays, the system may become unstable, therefore it's suggested to restart th omputer every few of days.

In the basic configuration (refer to Fig4.1), input Windows user nam nd password **(Note: not SuperDVR user name and password)**, and selec me interval, then the Windows system will automatically restart according t

ff, and when computer reboot next time, SuperDVR system will automatical
estart, and keep the settings as before.

ips:

**Users do not need enable auto reboot function, but it's suggeste
o input the Windows user name and password in the relative area
herefore when meeting abnormal system exit, users don't need to b
oubled to input Windows and SuperDVR user names and passwords.**

ppendix 2.2.5 How to quickly use the schedule record unction?

Press 'Shift' or 'Ctrl' key, and draw the cursor in corresponding areas t
ake schedules for multiple channels.

ppendix 2.2.6 What are the byte rates for different image ualities from highest to normal?

When on PAL system and the frame rate is 25 fps, bit rate for th
ighest image quality is about 120K Byte/s, and for the lowest image quality i
bout 30K Byte/s.

ppendix 2.2.7 The frame rate seems to be lower than what I et?

There is frame loss in image switch therefore the real record frame rat
about relatively lower than the theoretic value.

ppendix 2.2.8 Why I can't select more channels to backup?

Please draw the mouse in the channel selection area, or utilize Shift an
trl key for assistance.

In case the video signal is seriously decreasing, and the color image
ırn to black and white, use manual gain control may of be helpful.

\ppendix 2.3 How to Use Network Function

ıppendix 2.3.1 How to monitor on the client-side?

First enable 'Web cameras service' in basic configuration (refer t
ig4.1).

Input the server Internet address in IE browser on the client-side, an
ıe necessary web cam driver will be downloaded automatically, then user
eed to install the driver. After access the web cam main interface, click 'logi
nd input user name and password to log in the system. (Refer to Chapter 7 t
:arn more)

ıppendix 2.3.2 Why I can't download the client-side software?

The possible causes:

The client-side computer hasn't properly connected to Internet or LAN.

The server-end hasn't enabled 'web cameras service'

The default Http port is 80. It may be conflict with other Web servers, fo
xample IIS. If true, please change another port.

Windows XP SP2 will block the OCX download. You should enabl
ıternet Option **à** Security Settings **à** Download unsigned ActiveX controls'.

ıppendix 2.3.3 Why can't the server be configured at the lient-side?

Only the last configuration is valid if server different configuration ar eployed simultaneously.

ppendix 2.3.4 Why I can't see the images?

The possible causes:

The VGA card is too ouUSB DVRated.

Have not installed newer DirecUSB DVRraw.

SuperDVR cannot run in Window 98 system.

Data port or command port is conflicts with other network services.

The user is connected to Internet through LAN, and the networ dministrator hasn't enabled corresponding data port or command port.

The client-side has installed firewall software that may stop vide ansmission.

MPEG4 codec has not been installed properly, please download ne ersion WebCam.

Bad network speed.

ppendix 2.3.5 What should I do if the Internet speed is quite low?

The more channels opened, and the slower the video transmissio peed, therefore try to use one channel display mode when the network spee slow.

ips:

There may be some surplus channels that have no video inpu witching off the channels is of help to improve transmission speed. (Refer t asic Configuration about switching on/off channels.)

Other software is using these ports. If so, please change WebCam port onfiguration or stop other softwares.

\ppendix 2.4 Other questions

ppendix 2.4.1 Why computer display doesn't work, and why I can ccess window system?

The capture card may not be well installed. Unplug the card and try gain.

ote:

Please unplug the power plug of the computer, so as to avoi amaging the motherboard chip set.

ppendix 2.4.2 Why I can't find the recorded files?

HDD space is not enough.

ppendix 2.4.3 Why the screens display is unstable with ithering and water-wave images?

Possible causes:

Camera electrical power is not enough.

There is external electromagnetic disturbance, or electrostat isturbance of camera BNC connector (It's suggested to connect ground wir) the connector).

User hasn't installed necessary VGA driver.

VGA card problem. Try reinstalling the VGA card, or changing anothe GA card.

lose and open the driver?

Possible causes:

Windows system problem. Try to reboot the computer.

There are too many recorded files or too many fragments on the HDI
ıerefore it takes time to search for the files, you need delete the files that yo
on't need, or need to make disk defragmenter now.

Capture card problem.

Computer hardware system is too ouDRated.

ıppendix 2.4.5 Why I can't play back?

Windows media player has been damaged, or decoder hasn't bee
ıstalled properly. It's suggested to reinstall the relative software system.

Computer problem, recorded files have been damaged. It's suggeste
ı fix these files using SuperAVIFix program.

**ppendix 2.4.6 Why do I see some gray blocks on time progress bar are
hen play back?**

Possible causes:

User has deleted these recorded files.

SuperDVR has deleted recorded file when recycle option being i
hosen.

Recorded files can't be opened because the recording is on.

**ppendix 2.4.7 Why do I see some old record sections that can't b
overed when play back?**

Possible causes:

You have ever selected disk partitions different from the current.

ppendix 2.4.8 Precautions on changing system time

[1] The superDVR system provides the retrieving mechanism fc ideo files, which must take the system time as a retrieving reference. T hange the computer time after installation will create a high risk c rong time reference which can cause diredly anewor in recording searc n order to avoid this controversy,please note bellow obeervo

[2] Before superDVR is used, it must be confirmed whether th urrent computer time is correct.

[3] Deactivate computer auto time updating function of system,

[4] Make sure the mainboard of the computer is in normal state

ppendix 2.4.9 If the system time must be changed, please do th ollowing preparations first:

[1] If new time is later than current computer time (for exampl hange 2006/01/01 0：0：0 (current system time) to 2007/01/01 0：0： arget time)), the change can be made directly;

[2] If new time is before the current computer time (for exampl hange 2007/01/01 0：0：0 (current system time) to 2006/01/01 0：0： arget time)), first stop the video recording, backup all video data. Tur ff superdvr ,change computer time and re-start superDVR..

ppendix 2.5.0 How to use REPAIRDB to repair SuperDVR database?

Enter the installation directory of superDVR C:\ProgramFiles\SuperDVR\SuperDVR,open the REPAIRDB.EX le. The user ID is “SYSTEM”, and no password is needed to be entere fter entering, please select database to repair

ppendix 3 Quick Start For Using

efore installing the PCI card, check PC requirements:
. P III 800 MHZ
. 256 MB RAM
. Windows 2000 (SP4 min) or Win XP (SP1 min)
. NVIDIA Video Card with 32 MB min or similar
. DirectX 9.0 minimum
. 80 GB HDD

nstallation Instruction:
. Insert the PCI card. (But do not connect the Camera yet.)
. Launch windows
. Windows will come up with Hardware wizard. Just click CANCEL
. Put the installation CD in and open up SuperDVR folder run the "setu
le"
. Follow the steps and in Windows XP, it will come up with a messag
ay this program has not passed windows logo testing, just "Continue
nyway"
. Reboot computer once it is completed.

OR COMPLETE INTRUCTIONS, REFER TO THE MANUAL.

nce Boot up, On Desktop there will be "SuperDVR" icon. opened well.
this program recognizes the PCI card, program will open just fin
lease log in first to the program.

roubleshooting:

): When opening the SuperDVR program, it says "Can't find card"

.: Reboot one more time. If still same problem, click Start – Program uperDVR – Install and then Uninstall. Reboot computer. After reboo o back to start-program-SuperDVR-install. Now click on INSTALL t einstall driver. Then Reboot.

: for some reason still “cant find card”, uninstall driver again. Shut dow omputer. Move PCI Card to another slot. Reboot. And CANCEL whe indows detect it.

hen reinstall driver by going to start-program-SuperDVR-install.

OR OTHER SETTINGs IN THE PROGRAM PLEASE READ TH MANUAL.

): How to setup the web client to monitor from Internet?

.:

- **On Main Computer where the DVR card installed:**
- Make sure the computer connected to Internet. DSL or Cabl Modem preferably.
- Find out your IP address. You can go to this link to find the I address http://lawrencegoetz.com/programs/ipinfo/
- Open up the SuperDVR program and go to basic configuratio Check and ENABLE Web Camera Service and Remote Pla Back Service.
- Make Note on Data Port, Command Port and PPP port

LOUTER, YOU NEED TO configure THE SETUP OF THI LOUTER AND DO THE PORT FORWARDING. PORTS THA' EED TO BE FORWARDED: 80, 1159, 1259 AND 13551. CHECI 'OUR ROUTER MANUAL ON HOW TO SETUP THAT.

- **On Remote Client Computer:**

- Minimum Requirement for the client computer:
    1. P III 800 MHZ
    2. 256 MB RAM
    3. Windows 2000 (SP4 min) or Win XP (SP1 min)
    4. NVIDIA Video Card with 32 MB min or similar
    5. DirectX 9.0 minimum
    6. 80 GB HDD

- - Open up Internet Explorer.

- If you are running XP with SP2 do the following: on Interne xplorer, click on TOOLS and Internet Option. Security Tab, Custor evel, and " ENABLE DOWNLOAD UNSIGNED ACTIVE: ONTROLS"

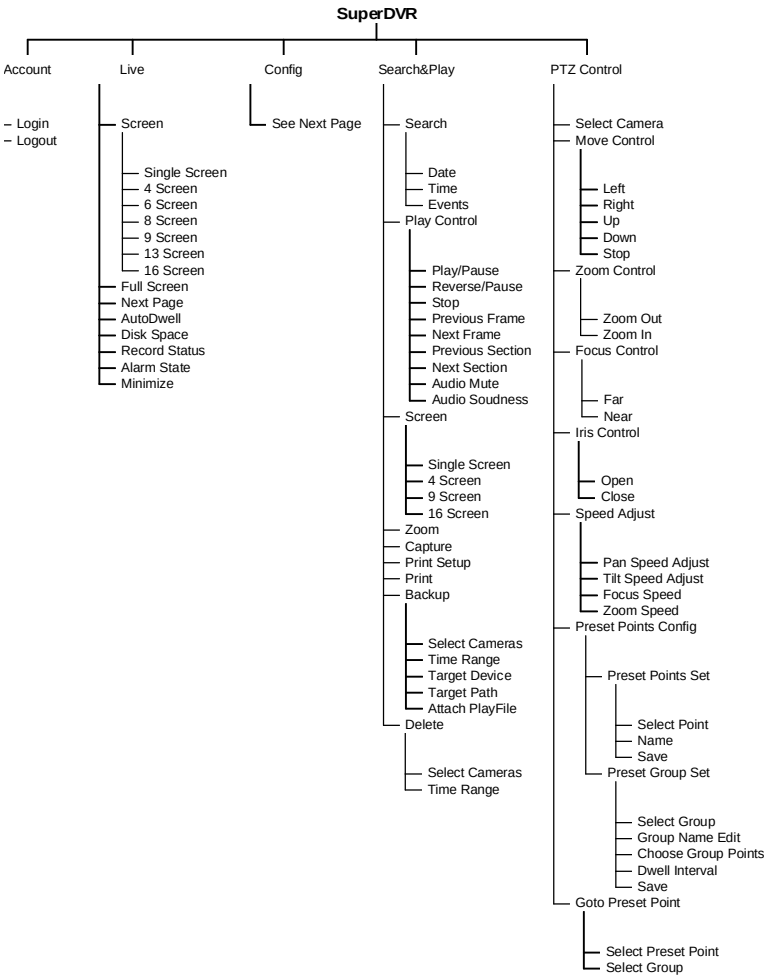
- In the column of the Internet explorer, type in the IP address c Main Computer
- Click OK on Live Surveillance. This will download the webcar program. And then you can download Remote Playing back a well.
- On Desktop now you should see WEBCAM and REMOT PLAYING BACK icon.
- Open up webcam, click on KEY symbol icon, user name: custon

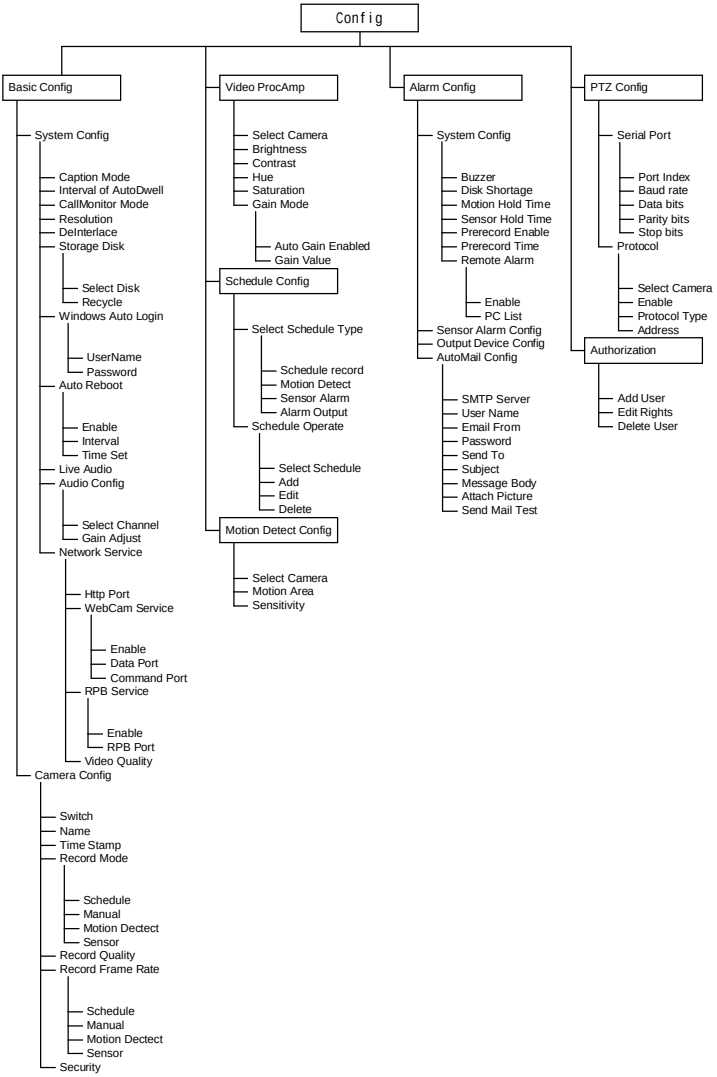
port: 1159 and Command port: 1259. Click OK. Now you shoul be able to view the live video from main computer.

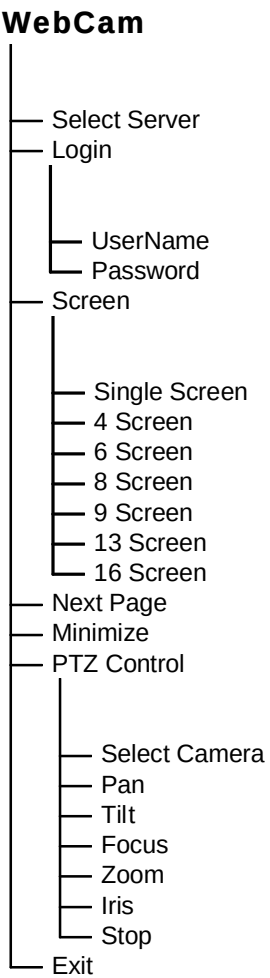
- To Play Back the VIDEO that has been recorded in Mai Computer, Open up REMOTE PLAYING BACK.
- Click on CONFIG. Remote server: the IP address of mai computer. IP port: 13551. OK
- Click LOGIN. OK. Now you should be able to play back th recorded video from main computer.

OR MORE DETAILS INFO: READ THE MANUAL.

Appendix 4 Function Tree


SuperDVR
Account
Live
Config
Search&Play
PTZ Control
– Login
– Logout
Screen
Single Screen
4 Screen
6 Screen
8 Screen
9 Screen
13 Screen
16 Screen
Full Screen
Next Page
AutoDwell
Disk Space
Record Status
Alarm State
Minimize
See Next Page
Search
Date
Time
Events
Play Control
Play/Pause
Reverse/Pause
Stop
Previous Frame
Next Frame
Previous Section
Next Section
Audio Mute
Audio Soudness
Screen
Single Screen
4 Screen
9 Screen
16 Screen
Zoom
Capture
Print Setup
Print
Backup
Select Cameras
Time Range
Target Device
Target Path
Attach PlayFile
Delete
Select Cameras
Time Range
Select Camera
Move Control
Left
Right
Up
Down
Stop
Zoom Control
Zoom Out
Zoom In
Focus Control
Far
Near
Iris Control
Open
Close
Speed Adjust
Pan Speed Adjust
Tilt Speed Adjust
Focus Speed
Zoom Speed
Preset Points Config
Preset Points Set
Select Point
Name
Save
Preset Group Set
Select Group
Group Name Edit
Choose Group Points
Dwell Interval
Save
Goto Preset Point
Select Preset Point
Select Group


Config
Basic Config
System Config
Caption Mode
Interval of AutoDwell
CallMonitor Mode
Resolution
DeInterlace
Storage Disk
Select Disk
Recycle
Windows Auto Login
UserName
Password
Auto Reboot
Enable
Interval
Time Set
Live Audio
Audio Config
Select Channel
Gain Adjust
Network Service
Http Port
WebCam Service
Enable
Data Port
Command Port
RPB Service
Enable
RPB Port
Video Quality
Camera Config
Switch
Name
Time Stamp
Record Mode
Schedule
Manual
Motion Dectect
Sensor
Record Quality
Record Frame Rate
Schedule
Manual
Motion Dectect
Sensor
Security
Video ProcAmp
Select Camera
Brightness
Contrast
Hue
Saturation
Gain Mode
Auto Gain Enabled
Gain Value
Schedule Config
Select Schedule Type
Schedule record
Motion Detect
Sensor Alarm
Alarm Output
Schedule Operate
Select Schedule
Add
Edit
Delete
Motion Detect Config
Select Camera
Motion Area
Sensitivity
Alarm Config
System Config
Buzzer
Disk Shortage
Motion Hold Time
Sensor Hold Time
Prerecord Enable
Prerecord Time
Remote Alarm
Enable
PC List
Sensor Alarm Config
Output Device Config
AutoMail Config
SMTP Server
User Name
Email From
Password
Send To
Subject
Message Body
Attach Picture
Send Mail Test
PTZ Config
Serial Port
Port Index
Baud rate
Data bits
Parity bits
Stop bits
Protocol
Select Camera
Enable
Protocol Type
Address
Authorization
Add User
Edit Rights
Delete User


WebCam
Select Server
Login
UserName
Password
Screen
Single Screen
4 Screen
6 Screen
8 Screen
9 Screen
13 Screen
16 Screen
Next Page
Minimize
PTZ Control
Select Camera
Pan
Tilt
Focus
Zoom
Iris
Stop
Exit

Remote Playback